AGROMET-ADVISORY BULLETIN

Date: 17.06.2016

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru Urban district

Weather forecast (Valid from 18th June to 22nd June 2016)

Forecast summary:

<table>
<thead>
<tr>
<th>Parameters</th>
<th>18.06.16</th>
<th>19.06.16</th>
<th>20.06.16</th>
<th>21.06.16</th>
<th>22.06.16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>7</td>
<td>6</td>
<td>6</td>
<td>21</td>
<td>13</td>
</tr>
<tr>
<td>Max Temp Trend (deg °C)</td>
<td>28</td>
<td>28</td>
<td>27</td>
<td>27</td>
<td>25</td>
</tr>
<tr>
<td>Min Temp Trend (deg °C)</td>
<td>21</td>
<td>21</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Total cloud cover (octa)</td>
<td>8</td>
<td>8</td>
<td>7</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Relative humidity (%)Max</td>
<td>86</td>
<td>87</td>
<td>87</td>
<td>88</td>
<td>86</td>
</tr>
<tr>
<td>Relative humidity (%)Min</td>
<td>66</td>
<td>65</td>
<td>67</td>
<td>76</td>
<td>79</td>
</tr>
<tr>
<td>Wind speed(Km/hr)</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Wind Direction (Degrees)</td>
<td>270</td>
<td>270</td>
<td>250</td>
<td>230</td>
<td>240</td>
</tr>
</tbody>
</table>

Light to medium rainfall forecasted during next 5 days. The Maximum temperature ranges from 25.0-28.0°C and Minimum of 20.0-21.0°C. Relative Humidity 86-88 % during morning 64-70 % during noon is expected. Wind speed is expected to 4-6 km/hr.

Weather Based Agro Advisories

Crop information and Crop Stages of the major Kharif/Rabi crops

<table>
<thead>
<tr>
<th>District</th>
<th>Kharif crops</th>
<th>Horticulture crops</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bangalore (U)</td>
<td>Ragi - - - -</td>
<td>- R,H</td>
</tr>
<tr>
<td></td>
<td>Redgram - -</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Maize - -</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Grape - -</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Mango - -</td>
<td>-</td>
</tr>
</tbody>
</table>


Agromet Advisory:

Where ever sufficient rainfall received, farmers are advised to go for sowing of

**Redgram** with suitable varieties of TTB-7, BRG-1 and Hyd-3c @ 15kg/ha and treat the seeds with *rhizobium* culture @ 500gm/ha before sowing. Sow the seeds with spacing of 60 cm x 23 cm.

**Groundnut**: Bunch type of varieties, JL-24 and TMV-2 (Use 125 kg seeds/ha (i.e 50 kg seeds per acre) · Seed treatment with Rhizobium 2.5 kg/ha and PSB 2.5 kg/ha · Fertilizer dosage per hectare 25kg N (55 kg urea), 50 kg P (313 kg SSP), 25 kg K (42 kg Potassium Sulphate), 25 kg Zinc Sulphate and 25 kg Ferrous sulphate. · Spacing followed is 30cm (Row) x 10 cm (Plant) · Pre-emergent application of herbicide Atrazine 50 WP @ 1 kg /ha in 1000 ltr (i.e.2 gram of atrazine in 1 ltr of water) immediately after the sowing or within 48 hours of sowing.

The following crops are suggested for sowing.

**Under monocropping the long duration crops:**
- Redgram : TTB-7, BRG-1,2,4&5
- Castor : DCS-9 (Jyothi), DCH-177 & 32

**Under double cropping the short duration crops:**
- Ragi : Indaf -9, ML-365
- Seasamum : Navile-1, T-7
- Groundnut : TMV-2, JL-24, KCG-6
Cowpea: TVX-944, KBC-1, Green gram: PS-16, PDM-84,178

**General advisory**
- Before sowing take up land preparation and strengthen the bund which will facilitate conservation of rainwater of pre-monsoon showers.
- FYM and tank silt application in field.
- Tank silt application will improve the soil texture and soil fertility.
- Ploughing across the slope will make insitu soil moisture conservation.
- Take up land leveling so that more rain water is conserved in the soil.

**Horticulture crop**
- Mango
  - Taken up deep plough to expose the soil to kill the different stages of insect.
  - Advised to harvesting of mango fruits as early because of continuous rainfall fruit fly incidence is more.
  - Take up harvesting without dropping fruit on the soil to avoid the damage.
  - Management of fruit fly in mango orchard, hanging the 10 pheromone traps /ha (100 ml insecticide) 1 liter of water contain 1 ml Methyl Eugenol & 4 gram Carbaryl)

**Animal Husbandry**
- Proper ventilation should be maintained for free circulation of air in the sheds.
- Keep the cattle shed clean.

Station Nodal Officer
UAS, GKVK

15 June 2016

Karnataka

**Soil Moisture Index**
- < 20 (Dry)
- 20 - 40 (Moderately Dry)
- 40 - 60 (Mildly dry)
- 60 - 80 (Moderately Wet)
- > 80 (Severely Wet)

Severely wet condition of soil moisture is observed over entire state of Karnataka except few district in east shows moderate wet condition.